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APPLICATION NO.	FILI	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/755,828 01/04/2001		Charles W. Pearce	PEARCE 27	5397		
27964	7590	04/07/2003				
HITT GAR	NES & BO	ISBRUN P.C.	EXAMINER .			
P.O. BOX 832570 RICHARDSON, TX 75083				CHEN, JA	CHEN, JACK S J	
				ART UNIT	PAPER NUMBER	
				2813 DATE MAILED: 04/07/2003	10	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Application No.

Office Action Summary

09/755,828

Applicant(s)

Pearce

Examiner

Jack Chen

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	The MAILING DATE of this communication appears	on the cover sheet with the corres					
	for Reply						
THE	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION.						
mailing - If the p - If NO p - Failure - Any re	ions of time may be available under the provisions of 37 CFR 1.136 (a). In a date of this communication. beriod for reply specified above is less than thirty (30) days, a reply within the beriod for reply is specified above, the maximum statutory period will apply a to reply within the set or extended period for reply will, by statute, cause the ply received by the Office later than three months after the mailing date of the patent term adjustment. See 37 CFR 1.704(b).	ne statutory minimum of thirty (30) days will be and will expire SIX (6) MONTHS from the mailin ne application to become ABANDONED (35 U.S	e considered timely. Ig date of this communication. In S.C. § 133).				
Status							
1) 💢	Responsive to communication(s) filed on Jan 21, 2	003					
2a) 🗌	This action is FINAL . 2b) X This act	ion is non-final.					
3) 🗆	Since this application is in condition for allowance ϵ closed in accordance with the practice under $Ex\ pa$						
Disposi	tion of Claims	•					
4) 💢	Claim(s) <u>1-20</u>	is/are	e pending in the application.				
4	la) Of the above, claim(s) <u>4, 5, 14, and 15</u>	is/ar	e withdrawn from consideration.				
5) 🗆	Claim(s)		is/are allowed.				
6) 💢	Claim(s) 1-3, 6-13, and 16-20		is/are rejected.				
7) 🗌	Claim(s)		is/are objected to.				
8) 🗌	Claims	are subject to restric	ction and/or election requirement.				
Applica	ition Papers		·				
9) 💢	The specification is objected to by the Examiner.						
10)	The drawing(s) filed on is/are	$(a) \square$ accepted or $(b)\square$ objecte	ed to by the Examiner.				
	Applicant may not request that any objection to the c	Irawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
11)	The proposed drawing correction filed on	is: a) \square approved	b) \square disapproved by the Examiner.				
	If approved, corrected drawings are required in reply	to this Office action.					
12)	The oath or declaration is objected to by the Exam	iner.					
Priority	under 35 U.S.C. §§ 119 and 120						
13)	Acknowledgement is made of a claim for foreign p	riority under 35 U.S.C. § 119(a)	-(d) or (f).				
a) [☐ All b) ☐ Some* c) ☐ None of:						
	1. \square Certified copies of the priority documents have	ve been received.					
	2. \square Certified copies of the priority documents have	re been received in Application N	No				
	3. Copies of the certified copies of the priority d application from the International Bure	au (PCT Rule 17.2(a)).	this National Stage				
	ee the attached detailed Office action for a list of th		(0)				
14)└┘	Acknowledgement is made of a claim for domestic						
	The translation of the foreign language provisions						
15) L	Acknowledgement is made of a claim for domestic	phonty under 30 0.3.0. 33 12	O aliu/Ol 121.				
Attachm	tent(s) otice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper	No(s).				
	otice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal Patent Application					
	3) X Information Disclosure Statement(s) (PTO-1449) Paper No(s). 7 6) Other:						
, ,							

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DETAILED ACTION

1. In response to the communications dated January 21, 2003, claims 1-20 are active in this application.

Specification

2. The amendment filed 1/21/2003 is objected to under 35 U.S.C. 132 because it introduces new matter into the disclosure. 35 U.S.C. 132 states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: Applicant has changed the phrase "first source/drain dopant" to --channel dopant-- and "second source/drain dopant" to --source/drain dopant-- throughout the specification and claims.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey

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to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. See above.

- 5. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. See above.
- 6. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Re claims 1 and 11, applicant claims diffusing a first source/drain dopant laterally in the amorphous region to form a first portion of a channel; this is unclear since the source/drain dopant having the same conductivity type as the substrate/channel, as showing in figure 1 (substrate 110 having p-type conductivity) and figure 4 (first source/drain dopant 410 also having p-type conductivity). It is noted that a transistor (MOS) normally having the source/drain conductivity opposite from the substrate conductivity. Accordingly, the method for forming such device is unclear to one having skill in the art.
- 7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming subject matter which the applicant regards as his invention.

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8. Claims 1-3, 6-13, 16-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Re claims 1 and 11, the phrase "diffusing a first source/drain dopant laterally in the amorphous region to form a first portion of a channel" is unclear and confusing (see above).

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack Chen whose telephone number is (703) 308-5838. The examiner can normally be reached on Monday-Friday (alternate Monday off) from 8:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr., can be reached on (703)308-4940. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Jack Chen

April 7, 2003

Jack Chen Prient Emaneter

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